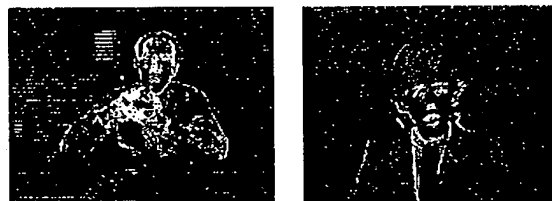


FIG. 1



(a) Original image



(b) Frame difference



(c) Enhanced frame difference

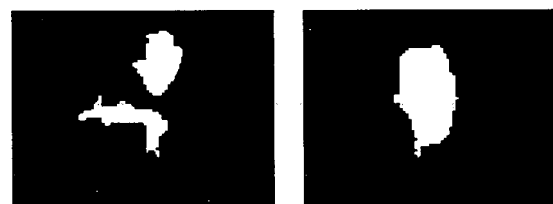
FIG. 2



(a) Motion region



(b) Skin region



(c) Face candidate

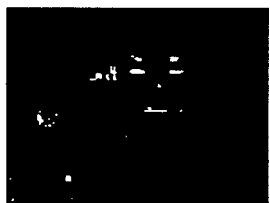
FIG. 3



(a) Original



(b)  $Y$  (valley detector)



(c)  $Cb$ (peakdetector)

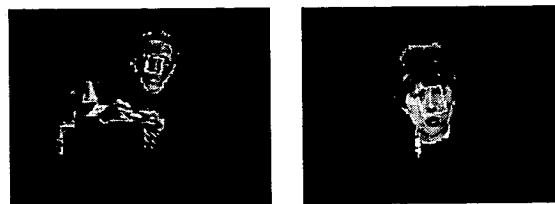


(d)  $Cr$  (valley detector)

FIG. 4



(a) Eye candidate



(b) Face rectangle

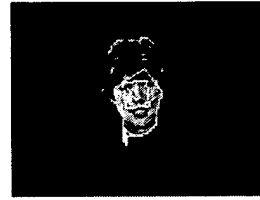
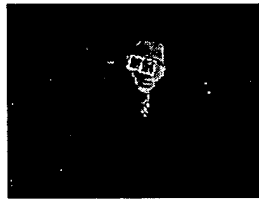


(c) Result

FIG. 5



(a) Eye candidate

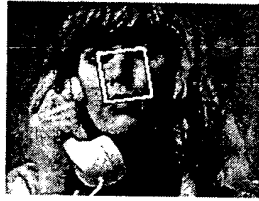


(b) Face rectangle



(c) Result

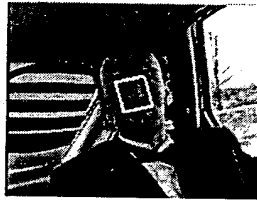
FIG. 6



(a) Suzie



(b) Claire



(c) Carphone



(d) Salesman



(e) Test 1



(f) Test 2

FIG. 7



(a)



(b)



(c)



(d)



(e)



(f)



(g)



(h)



(i)



(j)



(k)



(l)

FIG. 8